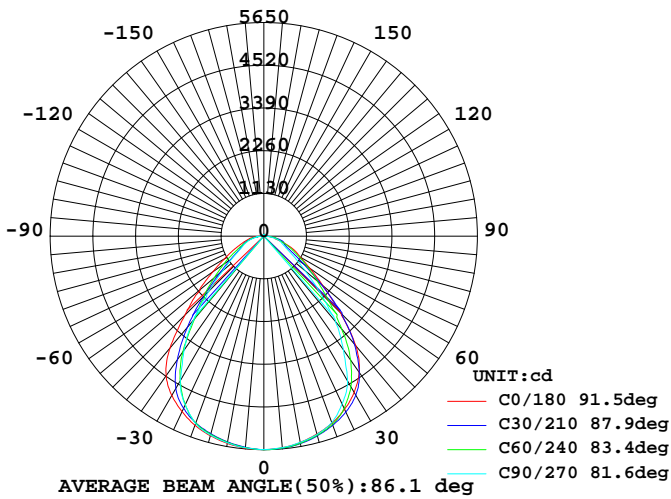


### STREETLIGHT PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: LPO Advanced 65x60x1490 90W 5000K 82Ra Microprisma		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4882	DIMENSION: 1490x65x60	SERIAL No.:

MODEL:		Imax(cd):	5650	Effective Flux(lm):	11512.2
NOMINAL POWER(W):	90	MAXIMUM(C, γ):	60, 0.0	EEL	0.108
RATED VOLTAGE(V):	220	EFFICIENCY(%):	100.0	Voltage(V)	220.3
NOMINAL FLUX(lm):	11512.1	η street_up(%):	0.6	Current(A)	0.425
TEST FLUX(lm):	11512.1	η street_down(%):	48.3	Power(W)	90.94
LAMPS QUANTITY:	1	η house_up(%):	0.6	Power Factor	0.971
TOTAL RADIANT(mw):	11512.1	η house_down(%):	50.4	EFFICIENCY(lm/W)	126.6



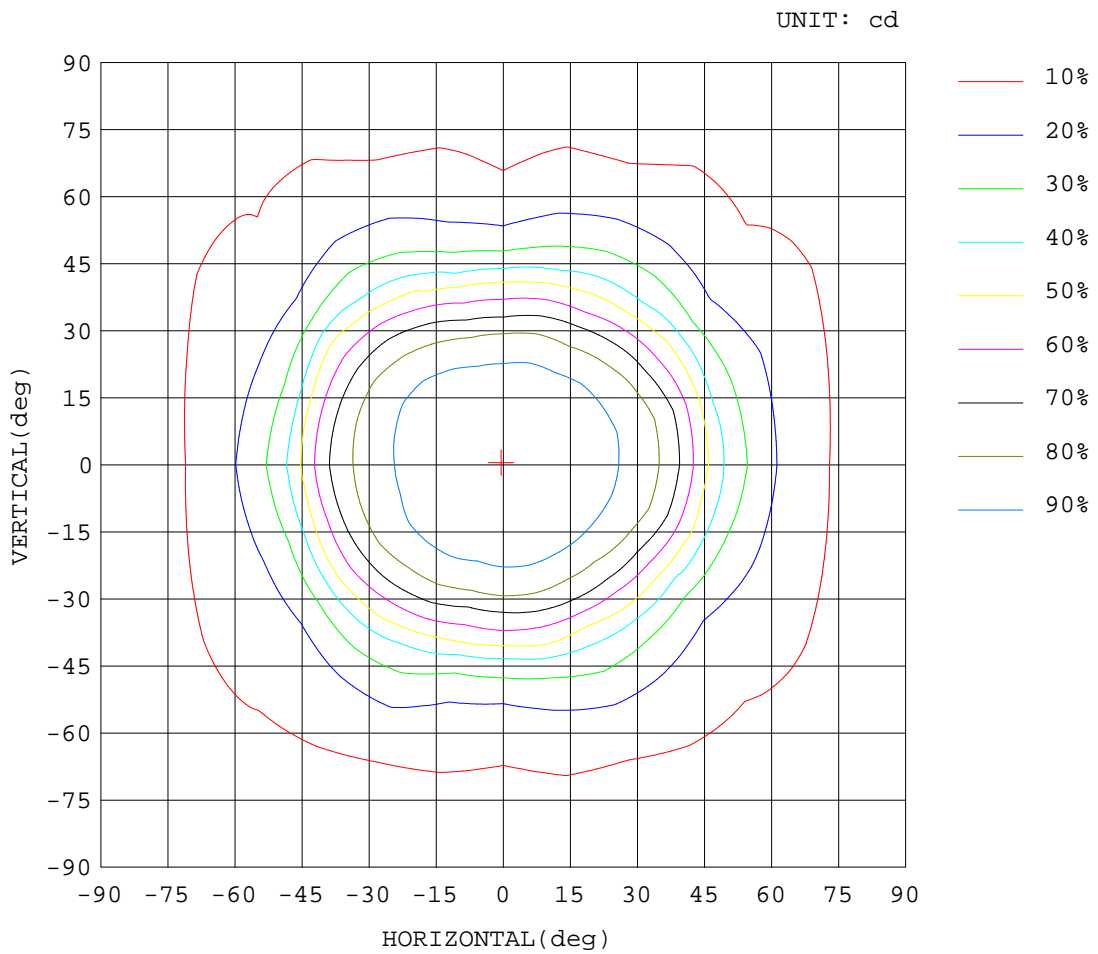
Temperature:25.3'C  
 Operators:  
 Test Date:12-04-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks: 81Ra. Flickering 0.2% Temp. 40.7C

### ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: LPO Advanced 65x60x1490 90W 5000K 82Ra Microprisma		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4882	DIMENSION: 1490x65x60	SERIAL No.:



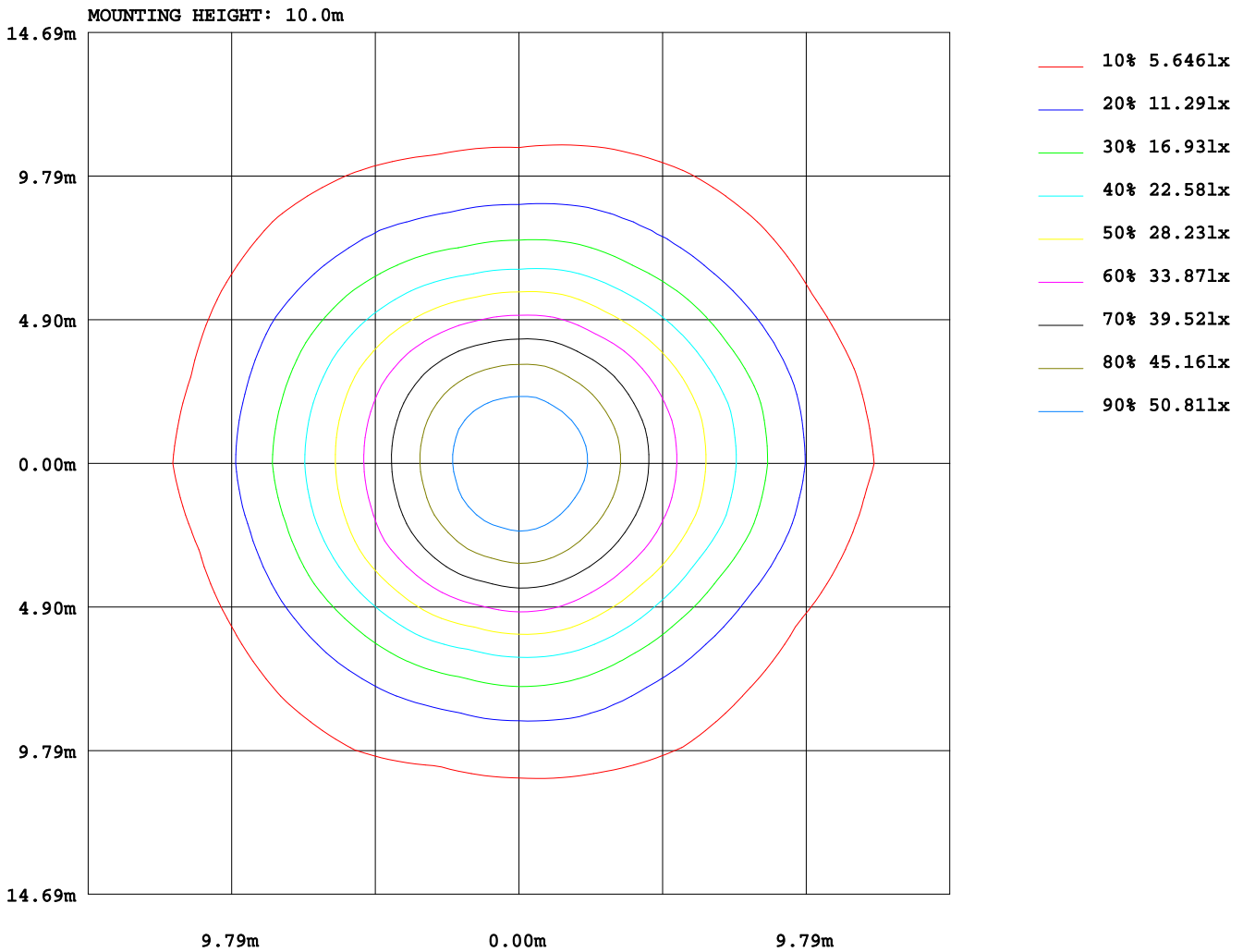
Temperature: 25.3 'C  
 Operators:  
 Test Date: 12-04-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks: 81Ra. Flickering 0.2% Temp. 40.7C

### ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: LPO Advanced 65x60x1490 90W 5000K 82Ra Microprisma		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4882	DIMENSION: 1490x65x60	SERIAL No.:



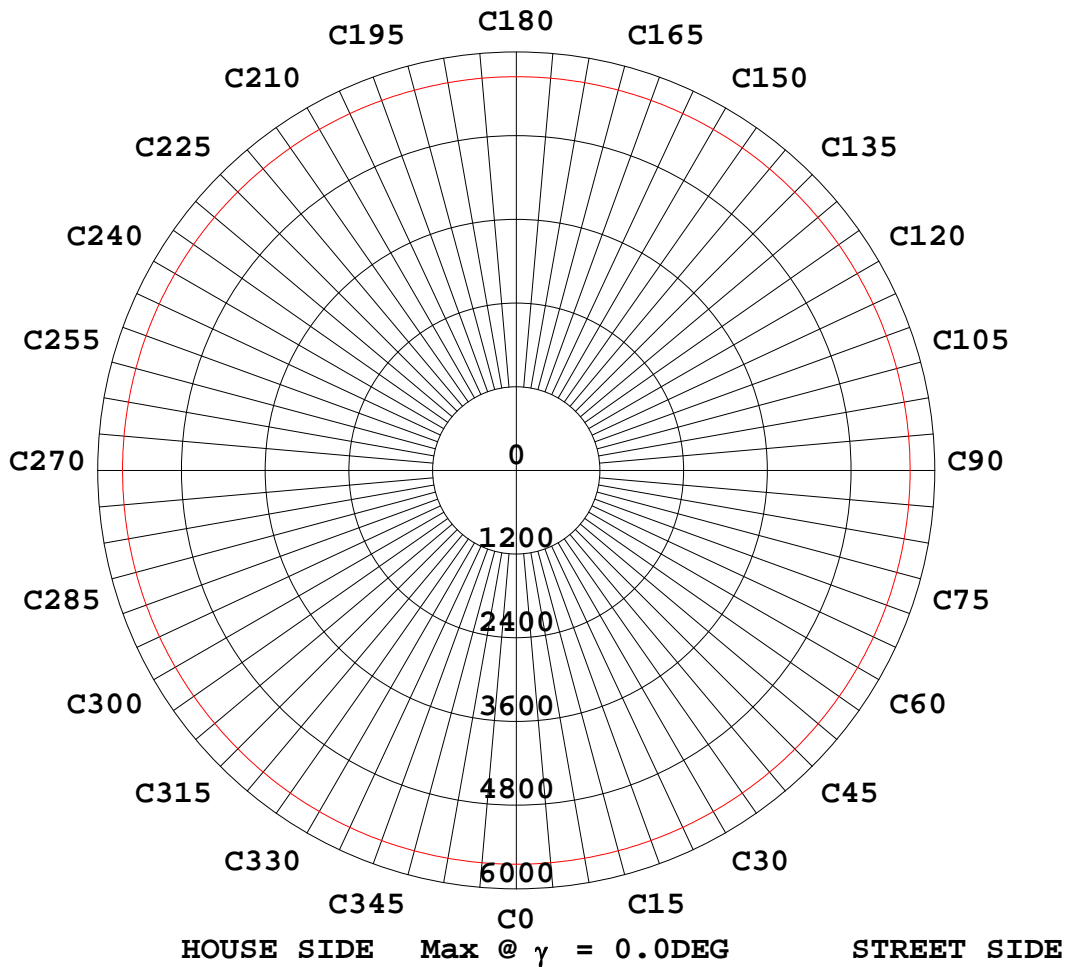
Temperature: 25.3 °C  
 Operators:  
 Test Date: 12-04-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks: 81Ra. Flickering 0.2% Temp. 40.7C

## ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: LPO Advanced 65x60x1490 90W 5000K 82Ra Microprisma		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4882	DIMENSION: 1490x65x60	SERIAL No.:



Temperature: 25.3 °C  
 Operators:  
 Test Date: 12-04-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks: 81Ra. Flickering 0.2% Temp. 40.7C

### LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME: LPO Advanced 65x60x1490 90W 5000K 82Ra Microprisma</b>		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K): 4882</b>	<b>DIMENSION: 1490x65x60</b>	<b>SERIAL No.:</b>

UNIT: cd

γ (deg)	C(deg)														
	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	5646	5645	5647	5649	5650	5647	5645	5646	5644	5645	5648	5647	5646	5645	5647
5.0	5630	5620	5605	5604	5614	5621	5620	5610	5617	5615	5615	5607	5616	5623	5630
10.0	5567	5552	5527	5524	5537	5554	5549	5536	5551	5539	5542	5525	5545	5553	5571
15.0	5466	5443	5410	5405	5429	5448	5450	5422	5437	5420	5422	5398	5417	5438	5468
20.0	5324	5295	5260	5244	5262	5276	5275	5229	5274	5262	5268	5240	5264	5287	5323
25.0	5122	5088	5023	4963	4915	4942	4924	4882	4970	5020	5066	5031	5053	5092	5131
30.0	4865	4815	4659	4454	4425	4460	4426	4358	4537	4615	4748	4740	4775	4813	4864
35.0	4505	4404	3992	3791	3739	3750	3678	3634	3864	4021	4186	4327	4392	4420	4404
40.0	3864	3619	3141	2919	2841	2946	2901	2886	3062	3202	3463	3551	3792	3745	3721
45.0	2954	2645	2177	2170	2232	2123	2067	2017	2220	2399	2551	2577	2901	2822	2922
50.0	2207	1869	1528	1592	1716	1572	1416	1444	1753	1790	1670	1731	2044	1872	1986
55.0	1656	1365	1074	1206	1306	1185	1018	1067	1339	1275	1130	1234	1494	1331	1282
60.0	1211	1044	793	919	956	908	758	823	1007	956	792	944	1122	999	887
65.0	910	815	644	701	710	710	614	681	768	724	619	778	898	811	660
70.0	672	658	550	565	537	569	502	552	544	569	571	653	631	710	572
75.0	504	503	426	419	413	430	390	394	405	443	456	446	359	538	515
80.0	390	329	280	255	301	304	266	231	323	321	268	258	290	333	342
85.0	239	153	135	80.1	136	114	146	85.0	155	107	159	109	147	183	187
90.0	40.9	6.90	17.2	6.10	16.9	5.20	18.9	5.30	19.0	5.90	18.7	7.10	7.70	32.9	34.7
95.0	17.7	8.29	15.7	7.20	14.5	6.00	14.0	6.30	14.8	7.20	16.0	8.80	9.60	17.5	7.60
100.0	17.5	10.2	15.9	8.80	14.2	7.20	13.4	7.60	14.4	8.80	16.1	11.0	11.9	17.6	9.50
105.0	18.4	12.5	16.9	10.7	14.5	8.70	13.6	9.20	14.8	10.7	17.1	13.3	14.5	18.7	11.7
110.0	20.0	15.0	18.4	13.0	15.7	10.5	14.5	11.2	15.9	13.0	18.7	16.0	17.2	20.4	14.3
115.0	21.9	17.7	20.5	15.7	17.4	12.9	16.2	13.7	17.7	15.9	20.7	18.7	20.2	22.5	17.2
120.0	24.2	20.5	22.7	18.7	19.6	15.7	18.2	16.5	19.9	18.7	23.1	21.6	23.5	24.7	20.2
125.0	26.9	23.2	25.2	21.6	22.3	18.7	20.9	19.6	22.5	22.0	25.7	24.5	26.6	27.5	23.4
130.0	29.4	26.1	27.5	24.7	25.0	22.1	23.9	23.0	25.2	25.0	28.2	27.5	29.6	30.1	26.4
135.0	32.1	28.9	29.9	27.5	27.9	25.4	26.8	26.3	28.2	28.0	30.7	30.7	32.7	33.0	29.4
140.0	34.7	31.7	32.2	30.1	30.5	28.6	29.6	29.3	30.7	30.8	33.2	33.7	35.6	36.0	32.3
145.0	37.5	34.7	34.5	32.7	33.1	31.6	32.4	32.2	33.3	33.5	35.9	37.0	38.5	38.9	35.4
150.0	40.2	37.5	37.2	35.6	35.7	34.7	34.9	34.9	35.7	36.1	38.7	40.2	41.2	41.9	38.4
155.0	42.6	40.4	40.0	38.4	38.4	37.7	37.4	37.5	38.2	38.9	41.5	43.2	43.7	44.8	41.5
160.0	45.0	43.0	42.7	41.6	41.1	41.0	40.0	40.2	40.5	41.7	44.0	45.7	46.2	47.2	44.4
165.0	47.2	45.4	45.4	44.6	44.2	44.2	43.3	43.2	43.5	44.5	46.3	47.7	48.2	49.2	46.7
170.0	49.0	47.2	47.6	47.2	47.0	47.2	47.0	46.2	46.3	47.0	48.4	49.0	50.0	50.4	48.7
175.0	50.5	48.8	49.5	49.0	49.2	49.2	50.0	48.6	48.6	48.7	49.7	49.7	51.0	50.8	49.9
180.0	51.4	50.5	49.9	50.7	50.0	50.8	51.5	50.5	50.0	49.7	50.4	50.8	51.4	50.5	49.9

Temperature: 25.3 °C  
 Operators:  
 Test Date: 12-04-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks: 81Ra. Flickering 0.2% Temp. 40.7°C

### LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME: LPO Advanced 65x60x1490 90W 5000K 82Ra Microprisma</b>		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K): 4882</b>	<b>DIMENSION: 1490x65x60</b>	<b>SERIAL No.:</b>

UNIT: cd

C(deg) \ γ (deg)	225	240	255	270	285	300	315	330	345
0.0	5649	5650	5647	5645	5646	5644	5645	5648	5647
5.0	5633	5626	5617	5614	5620	5612	5621	5628	5633
10.0	5579	5563	5545	5536	5557	5544	5550	5558	5574
15.0	5474	5452	5431	5431	5456	5429	5446	5455	5472
20.0	5327	5298	5251	5249	5295	5272	5301	5314	5340
25.0	5128	5025	4913	4897	4975	4981	5081	5108	5149
30.0	4772	4602	4436	4435	4535	4524	4672	4810	4895
35.0	4225	4008	3703	3674	3828	3912	4100	4323	4533
40.0	3552	3202	2955	2938	3092	3083	3330	3569	3894
45.0	2702	2437	2159	2099	2198	2398	2526	2760	2957
50.0	2028	1849	1536	1431	1684	1863	1925	1871	2113
55.0	1485	1406	1146	1018	1281	1406	1402	1262	1553
60.0	1091	1058	878	747	965	1040	1042	884	1187
65.0	820	813	727	586	751	771	797	675	911
70.0	665	598	607	492	608	574	642	561	715
75.0	545	427	455	397	478	422	509	473	567
80.0	399	339	294	243	326	322	360	335	396
85.0	170	160	154	111	181	141	178	180	238
90.0	63.4	11.7	19.5	5.20	33.8	5.90	29.9	10.7	66.5
95.0	16.2	6.60	14.5	6.10	14.7	6.50	15.8	7.70	17.7
100.0	15.6	7.90	14.1	7.30	14.0	7.90	15.4	9.60	17.4
105.0	16.0	9.60	14.4	8.90	14.2	9.60	15.9	11.8	18.2
110.0	17.2	11.8	15.5	11.0	15.2	11.9	17.2	14.4	19.9
115.0	19.1	14.4	17.2	13.6	16.7	14.5	19.2	17.2	21.7
120.0	21.6	17.5	19.6	16.5	19.1	17.5	21.6	20.2	24.1
125.0	24.2	20.8	22.5	20.0	21.7	20.9	24.2	23.2	26.4
130.0	27.1	24.2	25.6	23.6	24.7	24.1	27.1	26.3	29.1
135.0	29.9	27.5	28.7	27.1	27.9	27.4	29.6	29.0	31.7
140.0	32.5	30.5	31.7	30.4	31.0	30.4	32.2	31.6	34.2
145.0	35.1	33.5	34.5	33.3	33.7	33.1	34.5	34.4	36.8
150.0	37.7	36.1	37.0	35.9	36.5	35.9	36.7	37.2	39.7
155.0	40.2	38.8	39.3	38.5	39.2	38.6	39.5	40.0	42.3
160.0	43.2	41.8	42.0	41.7	42.2	41.7	42.3	42.8	44.9
165.0	45.7	44.7	45.0	45.2	45.5	44.8	45.2	45.5	47.0
170.0	48.1	47.4	47.7	48.5	48.2	47.4	47.7	47.7	49.0
175.0	50.0	49.5	50.0	51.0	50.0	49.2	49.7	49.3	50.1
180.0	50.7	50.0	50.8	51.5	50.5	50.0	49.7	50.0	50.8

Temperature: 25.3 °C  
 Operators:  
 Test Date: 12-04-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks: 81Ra. Flickering 0.2% Temp. 40.7C